




NOVEL DIACETYLENE AND POLYDIACETYLENE TYPE POLYMER

Patent number: JP62256808
Publication date: 1987-11-09
Inventor: YUU UON CHIYOO
Applicant: HOECHST CELANESE CORP
Classification:
 - International: C08F38/00; H01B1/12
 - european: C07C121/78; C08F38/00; G02F1/361F4; G03C1/73P
Application number: JP19870095036 19870417
Priority number(s): US19860854273 19860421

Also published as:

 EP0243807 (A2)
 US4703096 (A1)
 EP0243807 (A3)

Abstract not available for JP62256808

Abstract of corresponding document: **EP0243807**

This invention provides a novel case of diacetylenic monomers and corresponding polydiacetylenic polymers. Illustrative of the invention is a polymer characterized by the repeating unit: <CHEM> In the form of an optically transparent medium with a noncentrosymmetric alignment of molecules, the polymer exhibits exceptional second order nonlinear optical susceptibility effects.

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